

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A ~~composition~~ high capacity filtration media consisting of a porous substrate impregnated with a permanganate and water, wherein the permanganate is a permanganate salt having a solubility in water greater than that of potassium permanganate, ~~and~~ wherein the concentration of permanganate salt in the ~~composition~~ filtration media is approximately 8-25% permanganate salt by weight, and wherein the filtration media is configured to remove contaminants from a high flow air stream.

2. (Currently amended) The ~~composition~~ filtration media of claim 1, wherein the permanganate salt is selected from the group consisting of sodium permanganate, magnesium permanganate, calcium permanganate, barium permanganate, lithium permanganate, ~~or a combination and combinations~~ thereof.

3. (Currently amended) The ~~composition~~ filtration media of claim 1, wherein the ~~composition~~ filtration media comprises at least about 13 to about 25% permanganate salt by weight.

4. (Currently amended) The ~~composition~~ filtration media of claim 1, wherein the ~~composition~~ filtration media comprises at least about 15 to about 20 % permanganate salt by weight.

5. (Canceled).

6. (Canceled).

7. (Currently amended) The ~~composition~~ filtration media of claim 1, wherein the permanganate salt comprises sodium permanganate.

8. (Canceled).

9. (Currently amended) The ~~composition~~ filtration media of claim 1, wherein the porous substrate comprises activated alumina, a silica gel, a zeolite, a zeolite-like mineral, kaolin, an adsorbent clay, activated bauxite, or a combination thereof, and wherein the porous substrate is between about 40 and about 80% by weight of the ~~composition~~ filtration media.

10. (Currently amended) The ~~composition~~ filtration media of claim 9, wherein the zeolite or zeolite-like mineral is selected from amicitite, analcime, pollucite, boggsite, chabazite, edingtonite, faujasite, ferrierite, gobbinsite, harmotome, phillipsite, clinoptilolite, mordenite, mesolite, natrolite, garronite, perialite, barrerite, stilbite, thomsonite, kehoeite, pahasapaite, tiptopite, hsianghualite, lovdarite, viseite, partheite, prehnite, roggianite, apophyllite, gyrolite, maricopaite, okenite, tacharanite, tobermorite, ~~or a combination and combinations~~ thereof.

11-33. (Canceled).

34. (New) The filtration media of claim 1, wherein the filtration media is configured to remove contaminants from an air stream moving through the filtration media at a flow rate of from 10 to 750 ft/min.

35. (New) The filtration media of claim 34, wherein the filtration media is configured to remove contaminants from an air stream moving through the filtration media at a flow rate of from 60 to 100 ft/min.

36. (New) The filtration media of claim 1, wherein the contaminants are selected from the group consisting of sulfur compounds, ammonia, chlorine, formaldehyde, urea, carbon monoxide, oxides of nitrogen, mercaptans, amines, isopropyl alcohol, ethylene and combinations thereof.